

Please amend page 14, line 1 as follows:

Claims What is claimed is:

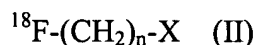
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A process for the production of an [^{18}F]fluorohaloalkane which comprises treatment of a solid support-bound precursor of formula (I):



wherein n is an integer of from 1 to 7 and X is chloro, bromo or iodo;
with $^{18}\text{F}^-$ to produce the [^{18}F]fluorohaloalkane of formula (II)



wherein n and X are as defined for the compound of formula (I), optionally followed by
(i) removal of excess $^{18}\text{F}^-$, for example by ion-exchange chromatography; and/or
(ii) removal of organic solvent.

2. (Original) A process for the production of an [^{18}F]fluorohaloalkane according to claim 1 wherein n is an integer of 1 to 4, preferably 1 or 2.

3. (Currently amended) A process for the production of an [^{18}F]fluorohaloalkane according to claim 1 ~~or 2~~ wherein the compound of formula (II) prepared is selected from [^{18}F]fluorobromomethane, [^{18}F]fluoroiodomethane, [^{18}F]fluorobromoethane, [^{18}F]fluoroiodoethane, [^{18}F]fluorobromopropane, and [^{18}F]fluoroiodopropane

4. (Original) A compound of formula (I) as defined in claim 1:



wherein n is an integer of from 1 to 7 and X is chloro, bromo or iodo.

5. (Original) A compound of formula (I) according to claim 4 wherein n is an integer of from 1 to 4, and is preferably 1 or 2.

6. (Currently amended) A radiosynthesis kit for the preparation of an [^{18}F]fluorohaloalkane for use in PET chemistry, which comprises:

(i) a vessel containing a compound of formula (I) as defined in ~~any one of claims 1 to 3~~ claim 1; and

(ii) means for eluting the vessel with a source of $^{18}\text{F}^-$; and

(iii) an ion-exchange cartridge for removal of excess $^{18}\text{F}^-$.

7. A cartridge for a radiosynthesis kit which comprises:

(i) a vessel containing a compound of formula (I) as defined in ~~any one of claims 1 to 3~~ claim 1; and

(ii) means for eluting the vessel with a source of $^{18}\text{F}^-$.